



Received

APR 15 2016

VTrans
PDD-LTF



FY17 Vermont Better Roads Grant Application

Please complete this page ONCE and return with your Grant Category Application(s)

Town/Organization: Middletown Springs Contact Person(s): Bill Beed
Highway Dept
Address: P.O. Box 1232 Middletown Sprs, VT 05757
Street Address Town Zip
Email: Middletown@Vermontel.net Phone: (802) 235-2220
DUNS #: 035852185 Fiscal Year End Month (MM): June
Accounting System: ☐ Automated ☐ Manual ☒ Combination

Please use the suggested documentation checklist below to ensure that all of the relevant items regarding your application have been included.

- ☒ Grant application cover sheet (Only submit one)
- ☒ Grant application form (One per category/project)
- ☒ Itemized Cost estimate for labor, equipment, and materials (see enclosed Cost Estimate Worksheet). If applicable, please break down funding by source (i.e. different grant sources)
- ☒ Project Location Map (please show location of affected water)
- ☒ Sketch of proposed erosion control measures or other management practices, including distances in feet
Also show approximate location of town/other right-of-way and/or property lines
- ☒ Photo(s) of the project area
- ☒ Letters of Support (RPC, VTrans District Technical Staff, ANR Rivers and Streams Engineers, etc.)
- ☒ If Category C River/Road Conflict or Category D River/Stream Structure or Culvert, you must attach ANR/ACOE consultation



(Priority #1)



Vermont Better Roads Grant Program Application

Please complete one application per category and/or project you are applying for. You may make copies of the application for multiple applications per category and/or multiple categories.

Please check the Category you are applying for:

- ☐ B. Correction of a Road Related Erosion Problem and/or Stormwater Mitigation Retrofit for both gravel and paved roads
- ☐ C. Correction of a Stream Bank or Slope Related Problem
- ☒ D. Structure/culvert upgrades

Received

APR 15 2010

Town/Organization: Middle Town Springs Highway Dept.

VTTrans
PDD-LTF

Project Name: Dayton Hill - Culvert replacement - up grade ditches

Road Name: Dayton Hill TH #: 12 Structure # (if applicable): _____

Road Type: Paved or (Unpaved) (circle one) Curbed or (Uncurbed) (circle one)

Class 1 Class 2 (Class 3) Class 4 (circle one)

Watershed: _____

Please provide a thorough description of the problem (ex. Roadway has steep slope with no ditch which is causing roadway erosion):

Failing culvert cause water to overflow during heavy rain and runoff. The overflow of water causes ditch and road shoulder to wash out for 300' + and the debris plugs the down slope cross culvert. There is a large wash out at the outlet end of failing culvert and poor cover at inlet and outlet.

Description of Project and how you plan to complete the work (ex. Stone line 500' of ditch by reshaping ditch and stone lining, working from the top of the project down to the bottom):

replace failing 18" culvert with 24" as suggested by ANR - pour inlet and outlet headers - fill outlet with #1 & #2 stone - rain line ditch - seed and mulch exposed areas - install splash / plunge pool at outlet of cross culvert - gravel road for proper crown and runoff.

Expected Effects (+ & -) on water quality (ex. Erosion will be eliminated by placing the stone ditch):

by replacing the culvert and treating the exposed areas of erosion using techniques from the Better Roads manual will allow us to prevent large amounts of materials from washing into the Putney river, and protect the road from continued maintenance and loss of material.



Distance from end of project to nearest water (stream, lake, or stormwater system that outlets directly to water). Please circle one: 0-50' 50-250' 250'+

Progress to Date:

Material has been added to shoulder of road to fill in washout

Is there an emergency reason this project must be completed quickly? If yes, please explain:

To prevent loss of material from the road and having it wash into the Poultney river.

Has this project been identified through a municipal road inventory, capital budget plan, tactical basin plan, culvert inventory, or other management plan? If yes, please list which.

Yes: Culvert Inventory

No

Please list any professionals you may have contacted for assistance with this project (ANR River Management Engineer, Army Corps of Engineers, VTrans District Technical staff, Basin Planner etc.):

ANR River Management Engineer

Is the project located in the town "Right of Way?" Yes No, Both (if "Both" please explain further).

Will the town road crew complete this work? Yes No, Some (if "some" please explain further).



Describe how the grant funds will be spent and/or attach a project budget: To use Techniques
from The Better Backroads manual to correct erosion related problems.
This will allow us to reduce maintenance hrs and prevent loss of
materials. (See attached cost estimate worksheet)

How do you plan to meet the required 20% match on this grant?:

Through Line Items in our regular highway Budget

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$ 12,381.02

Estimated Total Project Cost (including 20% local match): \$ 12,381.02

Estimated Completion Date: 10/1/16

REQUIRED ATTACHMENTS:

- ☒ Itemized Cost Estimate (labor, equipment, materials)
(For assistance, call Better Backroads at 802-828-4585)
- ☒ Project Location Map
(Please show location of affected water; 1:12,000 USGS map, if possible)
- ☒ Sketch of proposed erosion control measures, including:
 - ☐ Distances (ft.)
 - ☐ Estimate of waste & borrow quantities
 - ☐ Approx. location of town/other right-of-way and/or property lines
- ☒ Photo(s) of the project area.
- ☒ Agreement for Entry and/or Deed of Easement (if project is outside Town ROW).
- ☒ If project involves stream or river/road conflict, include documentation of consultation with a River Management Engineer.
- ☒ Other appropriate supporting documents.

By signing this application I certify that all the information provided is accurate to the best of my knowledge. We will comply with all the requirements of the grant including making our books available for audit if required.

SIGNATURE OF APPLICANT: (Must be Town Administrator/Manager or Select Board Chair)

Name: Fery A. Rappell Title: 04/12/2016

Cost Estimate Worksheet



Page ~~16~~ of 16
5 of 10



Vermont Better Roads Category D Grant Proposal Scoring Criteria

All categories will be scored on a sliding scale. The numbers below represent guidelines for scoring.

1. Application is complete [maximum 5 points]
 - ☒ Yes (5 points)
 - ☐ No (0 points)
2. Use of Best Management Practices (BMPs) from Better Back Roads Manual, ANR Stormwater Manual, and/or Green Stormwater Infrastructure sizing tool for small sites [maximum 15 points]
 - ☒ The proposal includes specific steps to maximize the likelihood of long-term success by applying BMPs (15 points)
 - The proposal includes an adequate number of steps to increase the likelihood of success by applying BMPs (10 points)
 - The proposal includes little or no steps to increase the likelihood of success by applying BMPs (0 points)
3. Expected Water Quality Benefits – [maximum 25 points]
 - ☒ Project will lead to significant reductions in sediment and/or phosphorous (25 points)
 - Project will lead to moderate reductions in sediment and/or phosphorus (15 points)
 - Project will lead to small reductions in sediment and/or phosphorus (10 points)
4. Distance from end of project to water or direct conveyance [maximum 20 points]
 - ☐ 0-50 ft. (20 points)
 - ☐ 50-250 ft. (10 points)
 - ☒ 250 ft. + (0 points)
5. Project is identified through a municipal road inventory, and/or capital budget plan, tactical basin plan, culvert inventory, please include with your application [maximum 15 points]
 - ☒ Project identified (15 points)
 - ☐ Not identified (0 points)
6. Cost effectiveness [maximum 15 points]
 - ☒ The cost of the project is reasonable based on the expected results (15 points)
 - ☐ The cost of the project outweighs the benefits (0 points)
7. A river/water quality or transportation professional, or other partner is engaged in the project [maximum 10 points]
 - ☐ Partners are identified and letters of support are included (10 points)
 - ☒ A letter of support is included (5 points)
 - ☐ No documentation of partnership exists (0 points)
8. Selection Committee discretionary allowance [maximum 10 points]
9. New Towns applying to the program will receive a BONUS of [10 points]

Subject **Middletown Springs_Dayton Hill Road**
From Carvajal, Joshua <Joshua.Carvajal@vermont.gov>
To middletown@vermontel.net <middletown@vermontel.net>
Date 2016-04-06 17:57

- Middletown Springs_Dayton Hill Rd Atlas Map.pdf (772 KB)

Bill,

Thanks for meeting with me to discuss this project on Dayton Hill Road that the Town plans to apply for funding under the Better Roads grant program.

Based on my field observations and the USGS Streamstats website, this stream that crosses the road is non-jurisdictional under the Stream Alteration General Permit (SAGP) because it is not a perennial stream.

If you decide to replace this culvert, I would suggest upsizing it to convey additional flows during larger storm events. The roadside ditch stabilization portion of this project does not need to obtain coverage under the SAGP since these are just drainage related improvements.

Thanks and let me know if you have any questions.

Josh Carvajal, P.E. CFM

Rivers Program

Agency of Natural Resources

Department of Environmental Conservation

cell: (802) 490-6163

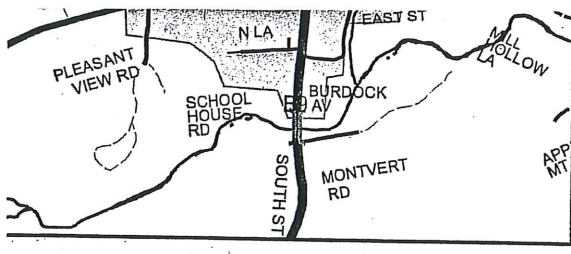
www.watershedmanagement.vt.gov/rivers.htm
floodready.vermont.gov

Our email addresses have changed (@vermont.gov)

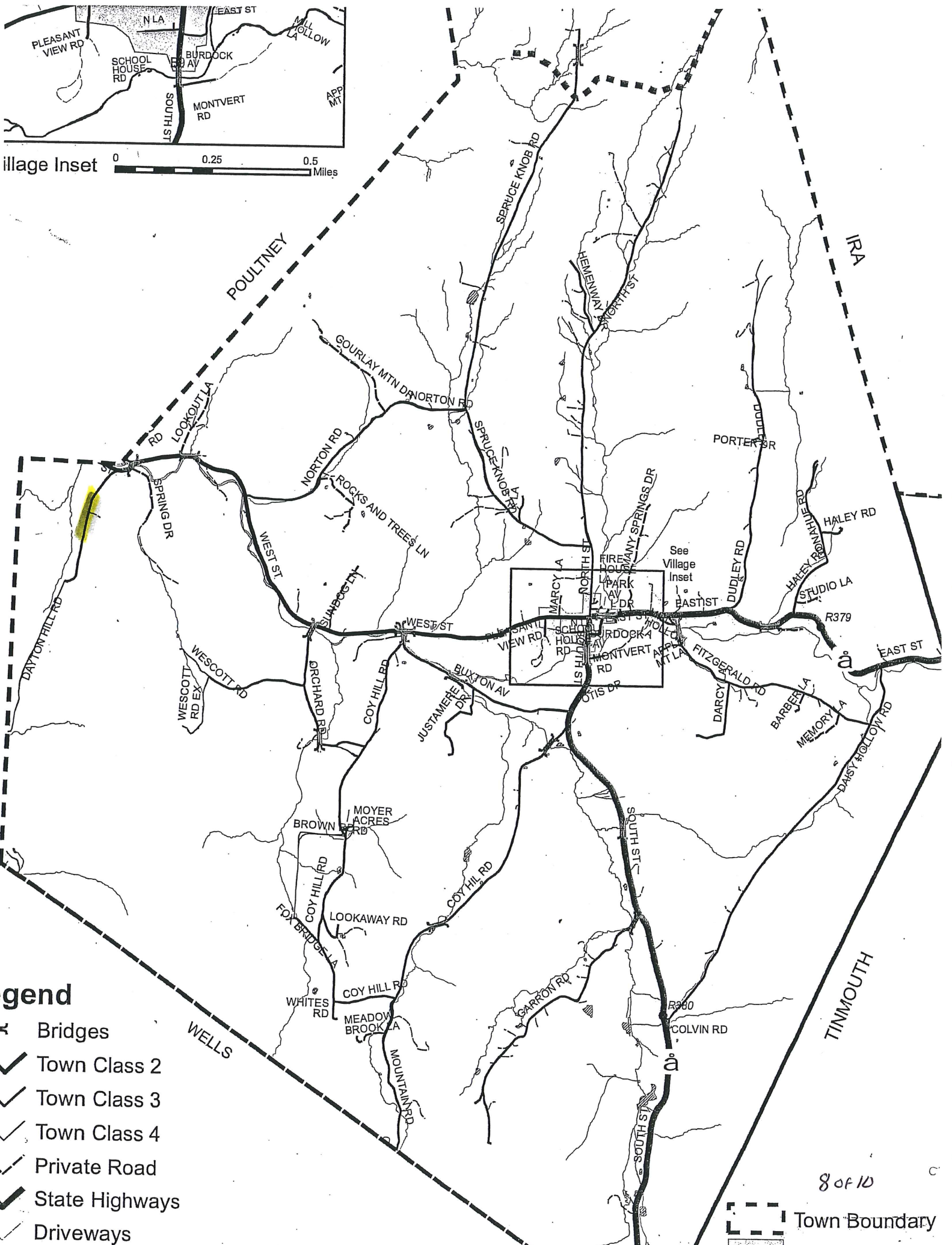
NEW: joshua.carvajal@vermont.gov

Please update your address book!

7 of 10



Village Inset 0 0.25 0.5 Miles



- Legend**
- Bridges
 - Town Class 2
 - Town Class 3
 - Town Class 4
 - Private Road
 - State Highways
 - Driveways

